

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2929	((250/310) or (250/307)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/21 11:38
L3	2	2 and ((xray or x adj ray) and classif\$7 and defect).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/21 11:39
S1	276752	x adj ray	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:46
S2	26374	S1 and classif\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:03
S3	18084	S2 and detect\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:03
S4	7690	S3 and intensity	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:04
S5	2861	S4 and beam	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:04
S6	1067	S5 and excit\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:05
S7	375	S6 and defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:05
S8	169	S7 and algorithm	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:07
S9	160	S8 and spectr\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:07

## EAST Search History

S10	2841	x adj ray near emission	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:04
S11	263	S10 and defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 10:19
S12	177	S11 and x adj ray adj emission	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 10:20
S13	90	S12 and spectr\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 10:20
S14	2	"6104835".pn. .	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 10:20
S15	49	S13 and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 10:21
S16	33	S15 and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 10:21
S17	24	S16 and electron adj beam	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 10:28
S18	24	S17 and x adj ray	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/14 10:52
S20	2844	x adj ray near emission	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:07
S21	1344	S20 and detector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:04
S22	536	x adj ray near emission same detector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:07

## EAST Search History

S23	127	S22 and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:08
S24	65	S23 and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/15 09:09
S25	15	("5877498" "5893095" "5911139"  "6104835" "6233719" "6407386"  "6787773").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 09:19
S26	5041	x adj ray same defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:46
S27	173	x adj ray near defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:47
S28	3	x adj ray near defect same background	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:47
S29	11	x adj ray near defect and classify\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:57
S30	48	x adj ray near defect and classif\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:10
S31	816	x adj ray same defect and classif\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:04
S32	1564	(charged adj particle or electron) adj beam and (xray or x adj ray) adj detector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:11
S33	301	S32 and defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:11
S34	93	S33 and classif\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:44

## EAST Search History

S35	55	S34 and classif\$7 same defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:12
S36	14	S34 and classif\$7 near defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 13:54
S37	14	S36 and (background or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:12
S38	17	(US-20030008404-\$ or US-20030142782-\$ or US-20010048761-\$ or US-20020161534-\$).did. or (US-5502306-\$ or US-5717204-\$ or US-5665968-\$ or US-5578821-\$ or US-6407386-\$ or US-6788760-\$ or US-6690010-\$ or US-5746829-\$ or US-5715052-\$ or US-6855930-\$ or US-6753525-\$ or US-6583413-\$).did. or (US-6104835-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/06/20 10:52
S39	9	S38 and classif\$7 same defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:12
S40	9	S39 and (background or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:12
S41	9	S39 and (substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:13
S42	9	S41 and (xray or x adj ray)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 10:49
S43	1	S42 and subtract\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 14:16
S44	5174	EDX or energy adj dispers\$ adj (xray or x adj ray)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 10:50

## EAST Search History

S45	1170	S44 and defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 10:50
S46	1169	S45 and (sample or background or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 10:50
S47	1092	S45 and (sample or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 10:50
S48	1113	S45 and (sample or substrate or wafer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 10:50
S49	23	S48 and subtract	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 10:51
S50	17	(US-20030008404-\$ or US-20030142782-\$ or US-20010048761-\$ or US-20020161534-\$).did. or (US-5502306-\$ or US-5717204-\$ or US-5665968-\$ or US-5578821-\$ or US-6407386-\$ or US-6788760-\$ or US-6690010-\$ or US-5746829-\$ or US-5715052-\$ or US-6855930-\$ or US-6753525-\$ or US-6583413-\$).did. or (US-6104835-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/06/20 10:52
S51	4	S50 and EDX	US-PGPUB; USPAT; DERWENT	OR	ON	2006/06/20 11:29
S52	333	electron near beam and classif\$7 near defect	US-PGPUB; USPAT; DERWENT	OR	ON	2006/06/20 11:32
S53	135	S52 and (xray or x adj ray)	US-PGPUB; USPAT; DERWENT	OR	ON	2006/06/20 11:33
S54	16	S53 and pattern near recognition	US-PGPUB; USPAT; DERWENT	OR	ON	2006/06/20 11:34
S55	10	S54 and automatic\$	US-PGPUB; USPAT; DERWENT	OR	ON	2006/06/20 13:52

## EAST Search History

S56	100	(("6996492" "5588034" "5493594" "5305239" "6178218" "6815676" "6281195" "6475753" "5406085" "5754693" "5643404" "4811409" "5309222" "5376793" "5582485" "4434660" "5013370" "5351543" "5728939" "6191423" "5884775" "4501492" "5650569" "5214282" "5333495" "5614825" "5822055" "5854674" "6078386" "6288780" "6816249" "6850321" "6952653" "7046355" "4286880" "5568531" "5689332" "6115449" "6418382" "6432361" "6453245" "4581537" "4879752" "5190835" "5289123" "5351247" "4571999" "5578821" "5665968" "5717204").pn. ("4620443" "5455892" "4427889" "4435984" "5337180" "5750895" "6269144" "4428235" "4806774" "5428442" "3875068" "3845382" "3791199" "4404853" "4432641" "4444058" "5446584" "5467780" "5479936" "5483972" "5744800" "5965817" "6201390" "6333785" "6372591" "6458204" "6465783" "7027146" "7038773" "6047083" "5761383" "6428799" "6549661" "6013308" "4883748" "4896278" "5440127" "5617461" "5943551" "6175646" "7003146" "4445034" "4809308" "5012502" "5258693" RE35423 "5631425" "5834648" "5491738" "5736863").pn.	USPAT	OR	ON	2006/06/20 13:55
S57	20	("20010018891" "20020149305" "6067342" "6201850" "6407386" "6409383" "6459761" "6567496" "6754298" "6817735").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 14:15
S58	96	S56 and defect	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 14:15
S59	34	S58 and (x adj ray or xray)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 14:19

## EAST Search History

S63	13	(US-20030008404-\$ or US-20030142782-\$ or US-20010048761-\$ or US-20020161534-\$).did. or (US-5502306-\$ or US-5578821-\$ or US-6407386-\$ or US-6788760-\$ or US-6690010-\$ or US-5746829-\$ or US-5715052-\$ or US-6047083-\$).did. or (US-6104835-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/06/20 14:39
S66	2	"6407386".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/20 17:46
S67	9	("3813545"   "5568400"   "6072178").PN. OR ("6407386"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/20 17:46